

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	145	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) and (inner or outer or primary or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 17:08
L2	40	L1 and (graded or gradient)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2007/01/27 17:08
L3	13	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj2 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") and ("Ti" or titanium or "Sc" or scandium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/27 17:08
L4	6	L3 and L2	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/01/27 17:09
S1	42	428/632.ccls. and \$CrAl\$ and (graded or gradient or increase or decrease)and beta	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/12 13:11
S2	35	428/632.ccls. and \$CrAl\$ and (graded or gradient or increase or decrease)and beta and chromium and cobalt	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/12 13:13
S3	28	428/632.ccls. and \$CrAl\$ and (graded or gradient or increase or decrease)and beta and chromium and cobalt and (oxidation adj2 (resistant or resistant or resistance))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/12 13:50
S4	670	(intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/12 13:59
S5	23	((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt"))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/12 14:33

## EAST Search History

S6	23	((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/13 10:22
S7	11	((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and ("Ti" or "Sc")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/13 10:27
S8	15	((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and ("Ti" or "Sc" or titanium or scandium)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/13 10:36
S9	3	((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and (("Ti" or titanium) and ("Sc" or scandium))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/13 11:38
S10	3	((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and ("Sc" or scandium)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/13 11:39

## EAST Search History

S11	0	2005/0238907	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/11 09:29
S12	0	(2005/0238907).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 09:29
S13	0	(2005/0238907A1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 09:30
S14	0	(2005/0238907A1.pn.).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 09:30
S15	270925	"428"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:42
S16	16478	"428"/\$.ccls. and "beta"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:42
S17	196	"428"/\$.ccls. and "beta" and (\$CrAl\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:43
S18	108	"428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:44
S19	107	"428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:45

## EAST Search History

S20	105	"428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:46
S21	100	"428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:48
S22	48	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:48
S23	36	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 13:24
S24	22	416/241R.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:49
S25	20	416/241R.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Sc" or Scandium or "Ta" or Tantalum).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:49
S26	32	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Sc" or Scandium or "Ta" or Tantalum).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:50

## EAST Search History

S27	45	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and coating.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 13:25
S28	46	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (coating or (protective adj1 layer)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:26
S29	38	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (coating or (protective adj1 layer)) and (inner or outer or first or second or secondary) and layer.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 17:06
S30	49	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:35
S31	49	"428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/13 16:35
S32	1	"beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:36
S33	0	"beta" and (CrAl) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and MCrAlY	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:37
S34	1	"beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and MCrAlY	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:45
S35	0	416/241R.ccls. and "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and \$CrAl\$	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:46

## EAST Search History

S36	44	416/241R.ccls. and "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and \$CrAl\$	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/13 16:49
S37	47	416/241R.ccls. and "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (\$CrAl\$ or \$NiAl\$)	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2006/09/13 16:50
S38	32	416/241R.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (coating or (protective adj1 layer)) and (inner or outer or first or second or secondary) and layer.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 17:09
S39	754	428/632.ccls. and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:23
S40	158	428/632.ccls. and substrate and \$CrAlY	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:23
S41	65	428/632.ccls. and substrate and \$CrAlY and intermediate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:24
S42	64	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:24

## EAST Search History

S43	63	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:25
S44	41	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:26
S45	53	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:26
S46	53	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:27
S47	18	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:27
S48	6	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:28
S49	6	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) and ("Cr" or chromium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:29

## EAST Search History

S50	6	428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) and ("Cr" or chromium) and (thick or thickness or thin or thinner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:31
S51	14	"428"/\$.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) and ("Cr" or chromium) and (thick or thickness or thin or thinner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/24 14:30
S52	1806	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel)	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/01/24 18:18
S53	207	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/24 18:19
S54	145	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) and (inner or outer or primary or secondary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/24 18:19
S55	119	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/24 18:20



## EAST Search History

S56	21	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj2 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 09:29
S57	13	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj2 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") and ("Ti" or titanium or "Sc" or scandium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 11:38
S58	9	\$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj1 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") and ("Ti" or titanium or "Sc" or scandium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 11:39